

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/08903

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C07C2/20

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 634 381 A (ALBEMARLE CORP) 18 January 1995 (1995-01-18) page 2, line 1 - line 4 page 2, line 29 -page 3, line 25 table I ---	1-5, 7-11, 13-21
X	US 5 744 676 A (IRWIN ROBERT G ET AL) 28 April 1998 (1998-04-28) column 2, line 31 - line 45 column 3, line 10 - line 22 column 3, line 34 -column 4, line 35 examples --- -/--	1-5, 7-11, 13-21

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

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O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

Z document member of the same patent family

Date of the actual completion of the international search

11 November 2003

Date of mailing of the international search report

15/12/2003

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4 045 508 A (CUPPLES BARRETT L ET AL) 30 August 1977 (1977-08-30) cited in the application column 3, line 31 -column 4, line 7 ---	1-21
A	US 3 382 291 A (BRENNAN JAMES A) 7 May 1968 (1968-05-07) cited in the application example 1 ---	1-21
A	US 5 284 988 A (SCHAERL JR ROBERT A ET AL) 8 February 1994 (1994-02-08) cited in the application examples -----	1-21

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No.

PCT/EP 03/08903

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0634381	A	18-01-1995	US 5396013 A CA 2126388 A1 DE 69412937 D1 DE 69412937 T2 EP 0634381 A1 JP 7173083 A ZA 9405054 A	07-03-1995 13-01-1995 08-10-1998 14-01-1999 18-01-1995 11-07-1995 01-03-1995
US 5744676	A	28-04-1998	NONE	
US 4045508	A	30-08-1977	DE 2651637 A1 FR 2332289 A1 GB 1497524 A JP 1336454 C JP 52065204 A JP 61000326 B NL 7612195 A ,B,	02-06-1977 17-06-1977 12-01-1978 11-09-1986 30-05-1977 08-01-1986 24-05-1977
US 3382291	A	07-05-1968	DE 1593358 A1 FR 1494739 A GB 1121335 A NL 6604079 A ,B	23-07-1970 15-09-1967 24-07-1968 24-10-1966
US 5284988	A	08-02-1994	NONE	